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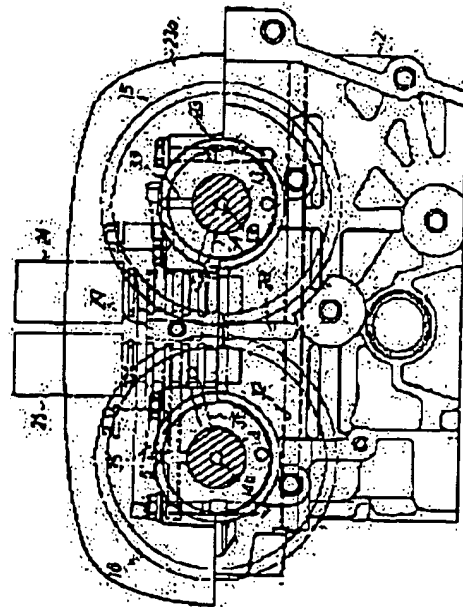
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(54) FOUR-CYCLE ENGINE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a small-sized and compact four-cycle engine by arranging a control valve in a rational and compact configuration.

SOLUTION: In a four-cycle engine in which VVTs (Variable Valve Timing Devices) 15, 16 are attached to respective ends of an intake cam shaft 13 and an exhaust cam shaft 14, two control valves 24, 25 for controlling hydraulic pressure fed to the VVTs 15, 16 are arranged vertically between the intake cam shaft 13 and the exhaust cam shaft 14. These control valves 24, 25 can be arranged in a compact manner within the size of an existing cylinder head 2, thereby it is possible to provide a small-sized compact four cycle engine.



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